

In the claims:

35. (Twice Amended) In a method of treating physiological fluids, the improvement comprising providing a container adapted to contain said fluids during treatment, wherein said container comprises:

a first sterile chamber having a first top portion, a first bottom portion and a first set of walls;

a second sterile chamber adjacent said first sterile chamber and having a second top portion adjacent said first top portion, a second bottom portion and a second set of walls;

a bridge connecting said first top portion of the first chamber and said second top portion of the second chamber, such that a fluid can be transferred from the first chamber to the second chamber while the container is positioned at a predetermined angle, and means for sterile transfer of a fluid to or from at least one of said chambers independently of the other of said chambers and located near the top of at least one of said chambers, and

placing a physiological fluid in one of said chambers.

38. (Thrice Amended) A method for treating physiological products and maintaining sterility of said products during said treating comprising:

providing a container having a plurality of closed, sterile fluid-receiving chambers, a bridge forming a fluid path allowing fluid communication between a first of said chambers and a second of said chambers when said container is in a predetermined orientation, and at least one access port allowing sterile access to at least one of said chambers,

providing a centrifuge having a holder removably receiving said container and allowing said container to assume a first orientation wherein a physiological product in one of said chambers is subjected to centrifugation and said predetermined orientation wherein fluid in said first of said chambers flows along said fluid path to said second of said chambers, and said centrifuge comprises a locking element that selectively holds said container in said predetermined orientation, and

placing a physiological product in one of said chambers.

40. (Amended) A method according to claim 38 wherein said locking element comprises a movable locking plate that is movable between free and locking positions, wherein said movable locking plate allows said container to assume said first orientation when in said free position and holds said container in said predetermined position when in said locking position.

42. (Thrice Amended) A method according to claim 38 wherein said holder comprises a frame pivotally mounted to a rotor of said centrifuge, and said locking element comprises a movable locking plate that is movable between free and locking positions, wherein said movable locking plate allows said container to assume said first orientation when in said free position and holds said container in said predetermined position when in said locking position.

43. (Twice Amended) In a method of treating physiological fluids, the improvement comprising providing a container

adapted to contain said fluids during treatment, wherein said container comprises a base forming a plurality of sterile chambers, each of said chambers having a bottom and a top, a bridge connecting top portions of at least two of said chambers and arranged to provide a sterile fluid channel from a first of said at least two sterile chambers to a second of said at least two sterile chambers when said container is in a predetermined orientation, a lid closing said top of each of said plurality of chambers, and an access port near the top of at least one of said chambers that allows sterile transfer of a liquid to or from said at least one of said chambers independently of the other of said chambers, and placing a physiological fluid in one of said plurality of sterile chambers.

Please cancel claims 37 and 48.